

Title (en)

IMPROVED METHOD OF PRODUCING TWO OR MORE THIN-FILM-BASED INTERCONNECTED PHOTOVOLTAIC CELLS

Title (de)

VERBESSERTES VERFAHREN ZUR HERSTELLUNG VON ZWEI ODER MEHREN VERBUNDENEN DÜNNSCHICHT-PV-MODULEN

Title (fr)

PROCÉDÉ AMÉLIORÉ DE PRODUCTION DE DEUX OU PLUSIEURS CELLULES PHOTOVOLTAÏQUES INTERCONNECTÉES À BASE DE COUCHE MINCE

Publication

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Application

EP 12810473 A 20121211

Priority

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- US 2012068864 W 20121211

Abstract (en)

[origin: WO2013095984A1] The present invention is directed to a method of producing two or more thin-film-based interconnected photovoltaic cells (100) comprising the steps of: a) providing a photovoltaic article comprising: a flexible conductive substrate, at least one photoelectrically active layer, and a top transparent conducting layer; b) forming one or more first channels (140) through the flexible conductive substrate to expose a portion of the photoelectrically active layer; e) applying an insulating segment to the conductive substrate and spanning the one or more first channel; d) forming one or more second channels off set from the one or more first channels through the photoelectrically active layer to expose a conductive surface of the flexible conductive substrate; l) forming one or more third channels (170) off set from both the first channels and the second channels, through the top transparent conducting layer and to the photoelectrically active layer; and g) applying an electrically conductive material (180) above the top transparent conducting layer and in the second channels, thus producing two or more interconnected photovoltaic cells..

IPC 8 full level

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Citation (search report)

See references of WO 2013095984A1

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